

NEW SHOP AND OFFICE FOR SPEC BUILDING 3S140 TALBOT AVENUE

WARRENVILLE, ILLINOIS

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ARCHITECT:

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BUILDING DATA	
USE GROUP:	F-1
OCCUPANCY:	BUSINESS, STORAGE
CONST. TYPE:	3B ONE STORY BUILDING
PROVIDE AUTOMATIC SPRINKLER SYSTEM NFPA 13 PROVIDE FIRE ALARM SYSTEM NFPA 72	AS PER IFC 903, 907
HEIGHT LIMITATIONS PER TABLE 503 -BUILDING HEIGHT - ACTUAL -STORIES - ACTUAL	2 STORY, 55' PER TABLE 23 1 STORY
AREA LIMITATIONS PER TABLE 503	24,000 SF (200% INCREASE IBC 506.3)
BUILDING AREA	23,250 SF

BUILDING CODES
2021 INTERNATIONAL ENERGY CONSERVATION CODE WITH AMENDMENTS)
2021 INTERNATIONAL BUILDING CODE (WITH AMENDMENTS)
2021 INTERNATIONAL EXISTING BUILDING CODE (WITH AMENDMENTS)
2021 INTERNATIONAL MECHANICAL CODE (WITH AMENDMENTS)
2021 INTERNATIONAL FUEL GAS CODE (WITH AMENDMENTS)
2020 NATIONAL ELECTRICAL CODE (WITH AMENDMENTS)
ILLINOIS STATE PLUMBING CODE
ILLINOIS ACCESSIBILITY CODE

STATEMENT OF SPECIAL INSPECTIONS

PROJECT: SPEC BUILDING
LOCATION: 3S140 TALBOT AVENUE, WARRENVILLE, ILLINOIS
OWNER:
DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE:

THE STATEMENT OF SPECIAL INSPECTIONS IS SUBMITTED AS A CONDITION FOR PERMIT ISSUANCE IN ACCORDANCE WITH THE SPECIAL INSPECTION AND STRUCTURAL TESTING REQUIREMENTS OF THE BUILDING CODE. IT INCLUDES A SCHEDULE OF SPECIAL INSPECTION SERVICES APPLICABLE TO THIS PROJECT AS WELL AS THE NAME OF THE SPECIAL INSPECTION COORDINATOR AND THE IDENTITY OF OTHER APPROVED AGENCIES TO BE RETAINED FOR CONDUCTING THESE INSPECTIONS AND TESTS. THIS STATEMENT OF SPECIAL INSPECTIONS ENCOMPASS THE FOLLOWING DISCIPLINES:

STRUCTURAL MECHANICAL/ ELECTRICAL/ PLUMBING
 ARCHITECTURAL OTHER

THE SPECIAL INSPECTION COORDINATOR SHALL KEEP RECORDS OF ALL INSPECTIONS AND SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. DISCOVERED DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF SUCH DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. THE SPECIAL INSPECTION PROGRAM DOES NOT RELIEVE THE CONTRACTOR OF HIS OR HER RESPONSIBILITIES.

INTERIM REPORTS SHALL BE SUBMITTED TO THE BUILDING OFFICIAL AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.

A FINAL REPORT OF SPECIAL INSPECTIONS DOCUMENTING COMPLETION OF ALL REQUIRED SPECIAL INSPECTIONS, TESTING AND CORRECTING OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED PRIOR TO ISSUANCE OF A CERTIFICATE OF USE AND OCCUPANCY.

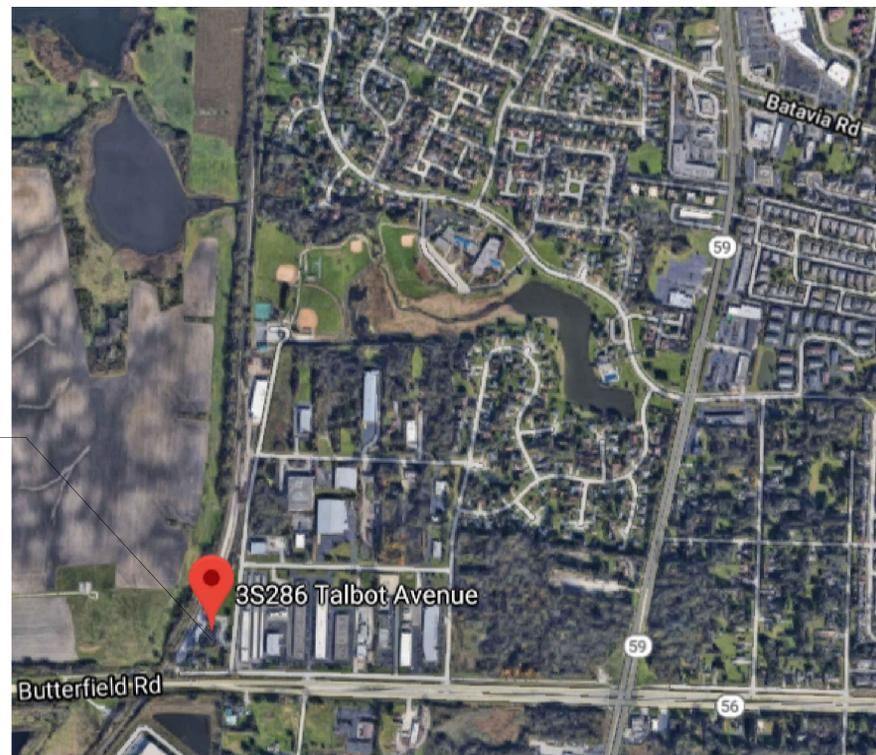
JOB SITE SAFETY AND MEANS AND METHODS OF CONSTRUCTION ARE SOLELY RESPONSIBILITY OF THE CONTRACTOR.

INTERIM REPORT FREQUENCY:

PREPARED BY: _____
TYPE OR PRINT NAME

SIGNATURE _____ DATE _____
DESIGN PROFESSIONAL SEAL

OWNER'S AUTHORIZATION: _____ BUILDING OFFICIAL ACCEPTANCE: _____
SIGNATURE _____ DATE _____ SIGNATURE _____ DATE _____



SITE LOCATION

SITE LOCATION MAP



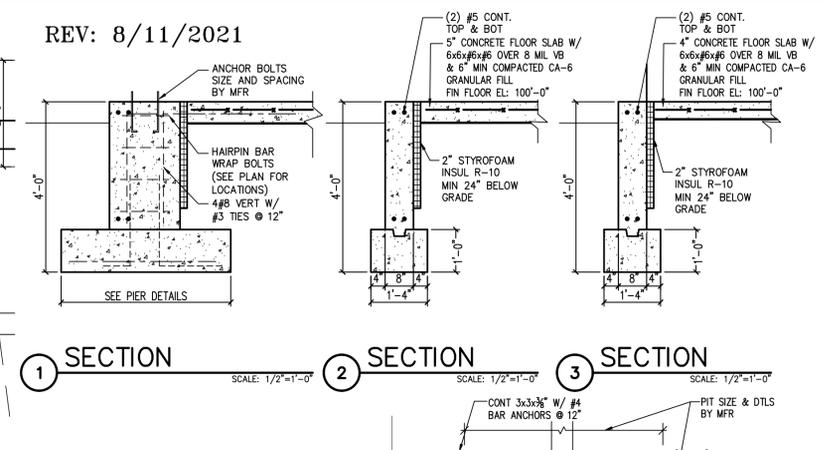
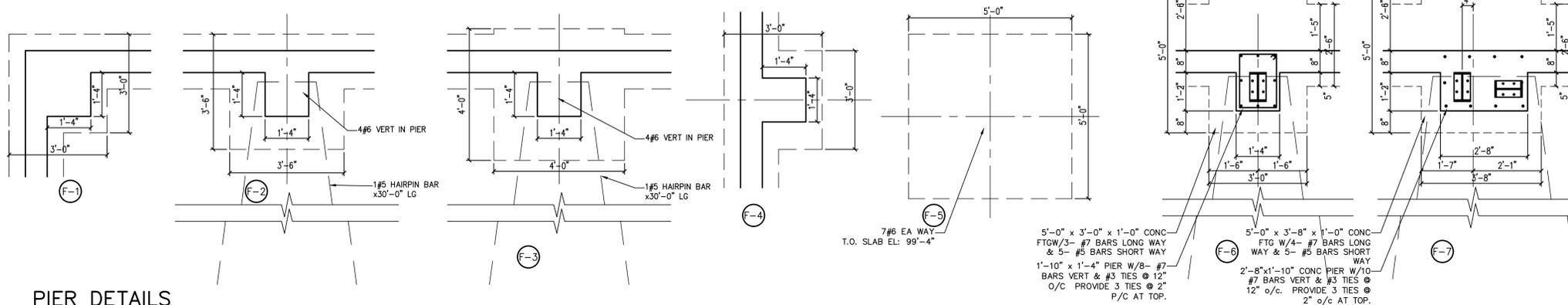
THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES OR SAFETY PRECAUTIONS & PROGRAMS IN CONNECTION W/ THE WORK & HE WILL NOT BE RESPONSIBLE FOR THE BUILDERS FAILURE TO CARRY OUT THE WORK IN ACCORDANCE W/ THE DRAWINGS. OWNER SHALL NAME ARCHITECT ON HIS OCP POLICY, ARCHITECT SHALL BE ADDED AS ADD'L INSURED ON BUILDERS COMMERCIAL GENERAL LIABILITY POLICY W/ \$500,000 LIMITS, THE ARCHITECTS AGREEMENT DOES NOT INCLUDE ANY ON SITE INSPECTIONS OR OBSERVATION BY THE ARCHITECT

CONTRACTOR (AND ANY SUBCONTRACTOR INTO WHOSE CONTRACT THIS CLAUSE IS INCORPORATED) AGREES TO ASSUME THE ENTIRE LIABILITY FOR ALL PERSONAL INJURY CLAIMS SUFFERED BY ITS OWN EMPLOYEES, INCLUDING CLAIMS UNDER THE ILLINOIS STRUCTURAL WORK ACT, ASSERTED BY PERSONS ALLEGEDLY INJURED ON THE PROJECT; WAIVES ANY LIMITATION OF LIABILITY DEFENSE BASED UPON THE WORKER'S COMPENSATION ACT, COURT INTERPRETATIONS OF SAID ACT OR OTHERWISE; AND AGREES TO INDEMNIFY AND DEFEND OWNER AND DESIGN PROFESSIONAL AND THEIR AGENTS, EMPLOYEES AND CONSULTANTS (THE "INDEMNITEES") FROM AND AGAINST ALL SUCH LOSS, EXPENSE, DAMAGE OR INJURY, INCLUDING REASONABLE ATTORNEYS' FEES, THAT THE INDEMNITEES MAY SUSTAIN AS A RESULT OF SUCH CLAIMS, EXCEPT TO THE EXTENT THAT ILLINOIS LAW PROHIBITS FOR THE INDEMNITEES' OWN NEGLIGENCE.

THE ARCHITECT DOES NOT WARRANT OR GUARANTEE THE ACCURACY AND COMPLETENESS OF THE WORK PRODUCT THEREIN BEYOND A REASONABLE DILIGENCE. IF ANY MISTAKES, OMISSIONS, OR DISCREPANCIES ARE FOUND TO EXIST IN THE WORK PRODUCT, THE ARCHITECT SHALL BE PROMPTLY NOTIFIED SO THAT HE MAY HAVE THE OPPORTUNITY TO TAKE WHATEVER STEPS NECESSARY TO RESOLVE THEM. FAILURE TO PROMPTLY NOTIFY THE ARCHITECT OF SUCH CONDITIONS SHALL ABSOLVE THE ARCHITECT OF ANY RESPONSIBILITY OF SUCH FAILURE. ACTION TAKEN WITHOUT KNOWLEDGE AND CONSENT OF THE ARCHITECT, OR IN THE CONTRADICTION TO THE WORK PRODUCT OR RECOMMENDATIONS OF THE ARCHITECT, SHALL BE THE RESPONSIBILITY OF THE PARTIES TAKING SUCH ACTION.



REV: 8/11/2021



PIER DETAILS

VERIFY ALL PIER SIZES SHOWN W/ BLDG MFRS BASE PLATE DRAWINGS
ALL PIERS TO HAVE 4-#6 VERT. W/ #3 TIES @12" UNLESS NOTED

MARK	SIZE			FOOTING REINFORCING	COLUMN PIER DATA			REMARKS
	L	W	T		SIZE	W	REINFORCING	
F-1	3'-0"	3'-0"	1'-0"	3-#5 EA WAY BOT	1'-4"	1'-4"	4-#6's #3's @ 12" oc.	NOTES: 1, 2, 3, 6, 7
F-2	3'-6"	3'-6"	1'-0"	3-#6 EA WAY BOT	1'-4"	1'-4"	4-#6's #3's @ 12" oc.	NOTES: 1, 2, 3, 6, 7
F-3	4'-0"	4'-0"	1'-0"	6-#5 EA WAY BOT	1'-4"	1'-4"	4-#6's #3's @ 12" oc.	NOTES: 1, 2, 3, 6, 7
F-4	3'-0"	3'-0"	1'-0"	3-#5 EA WAY BOT	1'-4"	1'-4"	4-#6's #3's @ 12" oc.	NOTES: 1, 2, 3, 6, 7
F-5	5'-0"	5'-0"	1'-3"	7-#6 EA WAY BOT	--	--	NONE	NOTES: 1, 2, 3, 3, 5,
F-6	3'-0"	5'-0"	1'-0"	3-#7 BARS LONG WAY 5-#5 BARS SHORT WAY	1'-4"	1'-10"	8-#7's #3's @ 12" oc.	NOTES: 1, 2, 3, 5, 9, 11
F-7	3'-6"	5'-0"	1'-0"	4-#7 BARS LONG WAY 5-#5 BARS SHORT WAY	2'-8"	1'-10"	8-#7's #3's @ 12" oc.	NOTES: 1, 2, 3, 5, 9, 11

FOOTING SCHEDULE NOTES:

- NOTE 1: MINIMUM SOIL CAPACITY AT BOTTOM OF FOOTING $p = 3,000$ psf (VERIFY BY TEST)
- NOTE 2: PROVIDE THREE SETS OF #3 TIES @ 2" OC AT TOP OF PIER. BALANCE OF TIES @ 12" OC.
- NOTE 3: ALL ANCHOR BOLTS TO HAVE A 3/4" THREADED PROJECTION ABOVE TOP OF PIER OR FOOTING.
- NOTE 4: ANCHOR BOLT SIZE AND PROJECTION AS SHOWN IN PRE-ENGINEERED BUILDING DRAWINGS.
- NOTE 5: TOP OF FOOTING EL = (-0'-8")
- NOTE 6: TOP OF FOOTING EL = (-3'-0")
- NOTE 7: TOP OF PIER EL = (-0'-0")
- NOTE 8: TOP OF FOOTING EL = (-SEE PLAN)
- NOTE 9: PIER DIMENSION INCLUDES WALL THICKNESS. LOCATE DOWELS IN FULL PIER.
- NOTE 10: -SEE PLAN FOR ATYPICAL GEOMETRY
- NOTE 11: TOP OF PIER EL = (-4'-0")

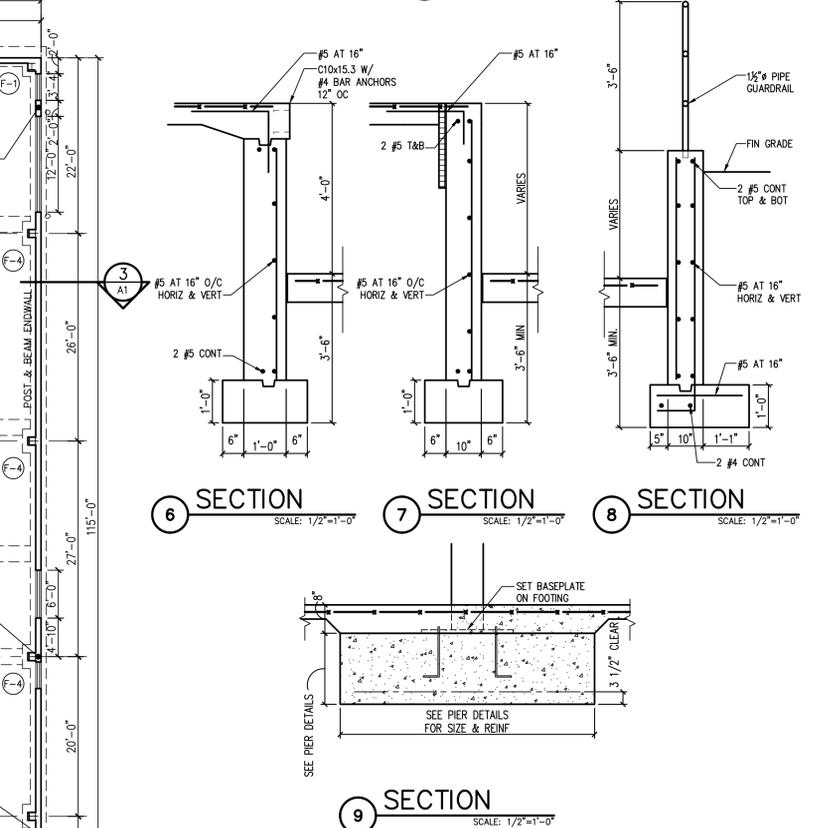
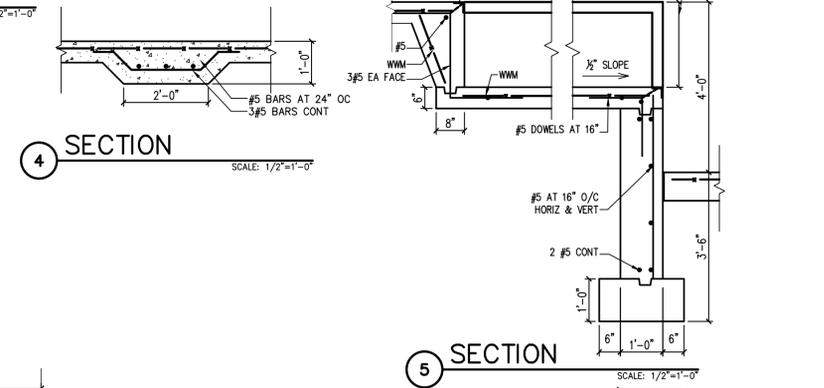
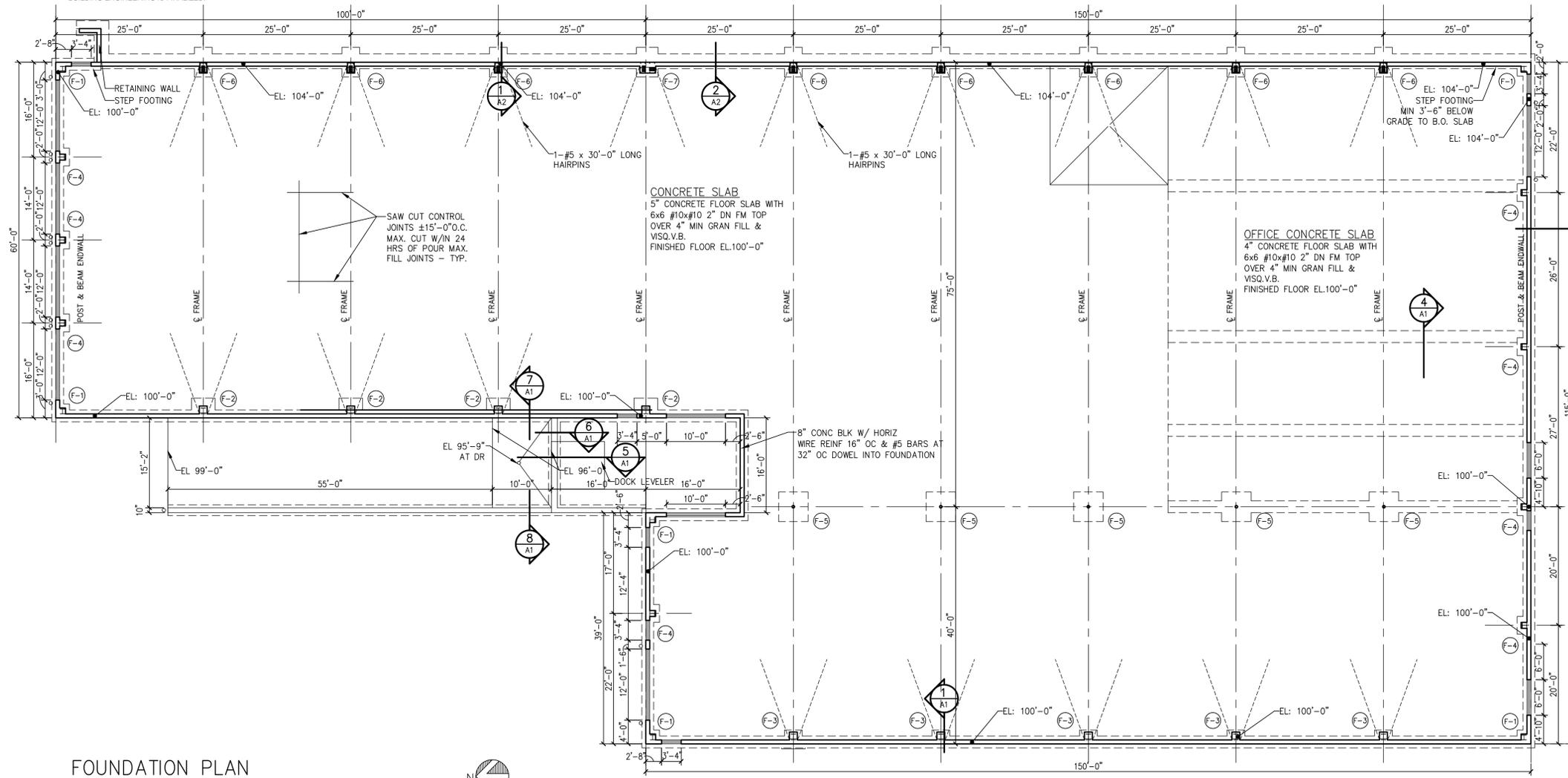
GENERAL FOUNDATION NOTES:

- CONCRETE MINIMUM COMPRESSIVE STRENGTHS:
FOOTINGS $f_c = 3000$ psi @ 28 days
WALLS AND PIERS $f_c = 3500$ psi @ 28 days
SLAB/FLOORS $f_c = 4000$ psi @ 28 days
BASE PL GROUT $f_c = 11000$ psi @ 7 days NON-SHRINKING
- CONCRETE REINFORCING STEEL:
ALL REINFORCING STEEL TO BE NEW BILLET STEEL ASTM A615 WITH A MINIMUM YIELD STRENGTH OF $F_y = 60,000$ psi AND A MINIMUM TENSILE STRENGTH OF $F_t = 90,000$ psi

FOOTING SIZES SHOWN HEREIN ARE, WHOLLY OR IN PART, BASED ON THE PRE-ENGINEERED BUILDING MANUFACTURER'S PRELIMINARY STRUCTURAL DESIGN. THEREFORE, THE FOOTING DESIGNS (SIZES) ARE SUBJECT TO REVISION WHEN THE BUILDING ENGINEERING IS FINALIZED.

CONCRETE SLAB
5" CONCRETE FLOOR SLAB WITH 6x6 #10x#10 2" DN FM TOP OVER 4" MIN GRAN FILL & VISQ.V.B. FINISHED FLOOR EL.100'-0"

OFFICE CONCRETE SLAB
4" CONCRETE FLOOR SLAB WITH 6x6 #10x#10 2" DN FM TOP OVER 4" MIN GRAN FILL & VISQ.V.B. FINISHED FLOOR EL.100'-0"



FOUNDATION PLAN

3/32"=1'-0" N

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3S140 TALBOT AVE WARRENVILLE, ILLINOIS
m.j.root · architect

date
4/23/2025

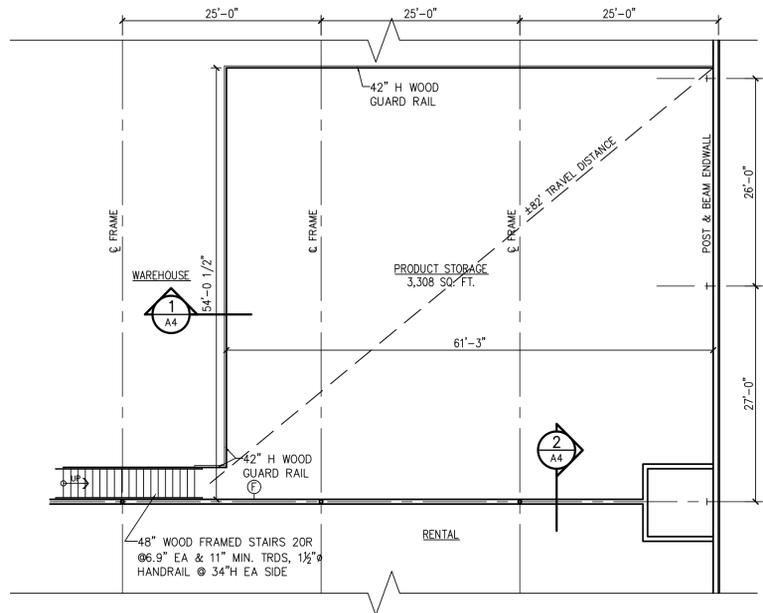
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drawing

A1

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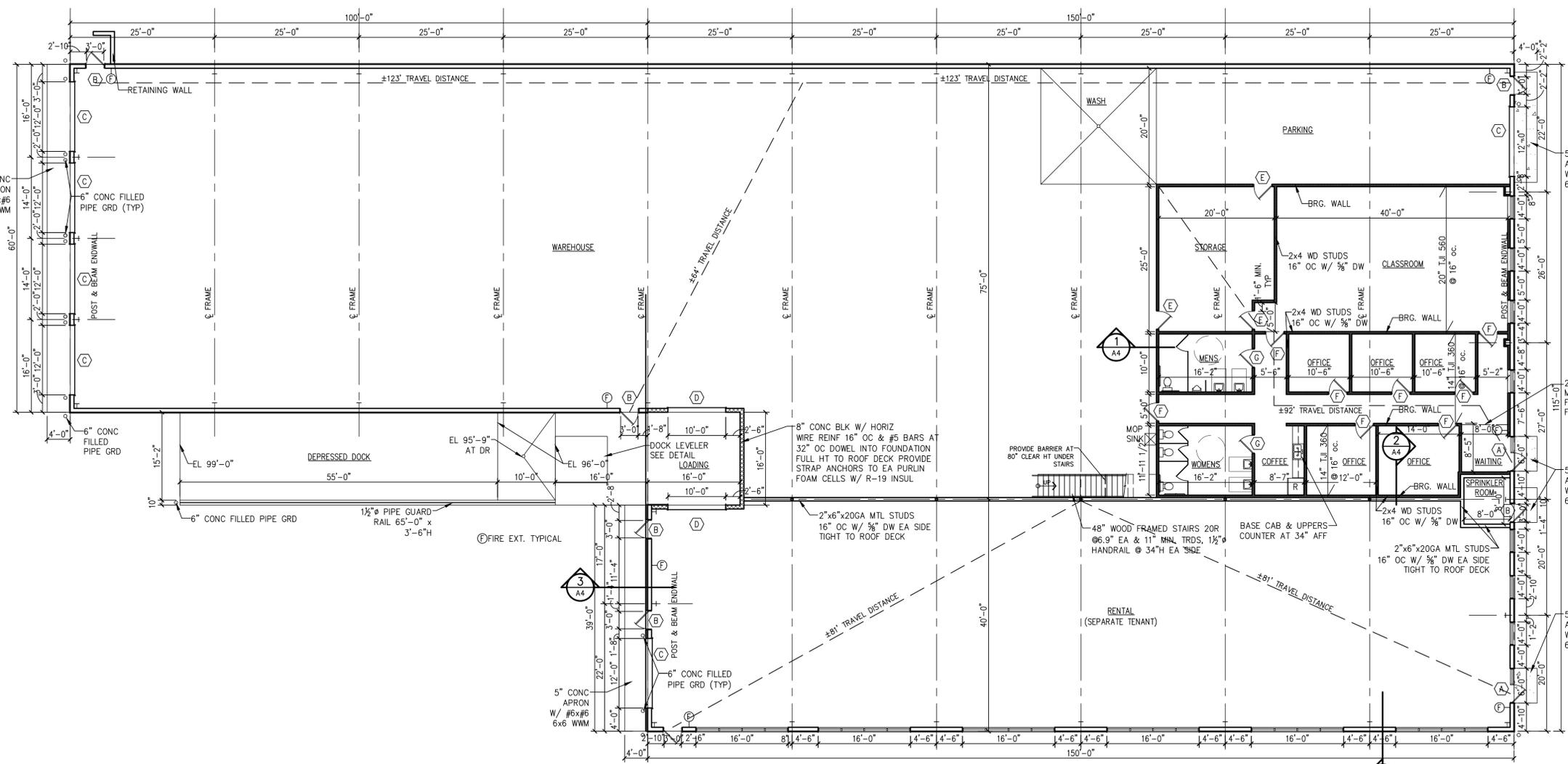
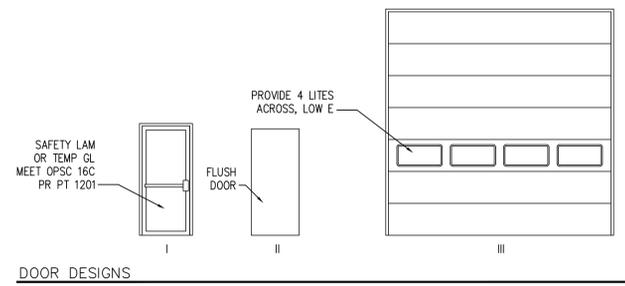


MEZZANINE PLAN

DESIGN LL=125PSF 3/32"=1'-0" N

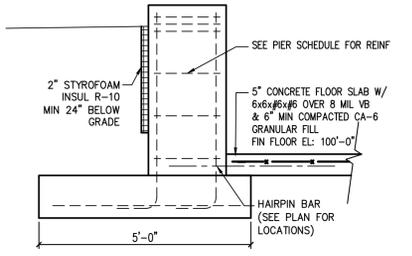
DOOR SCHEDULE										
MARK	SIZE	THICKNESS	MATERIAL	FRAME	DESIGN	LABEL	LOCK	LATCH	NOTES	
A	3'-0" x 7'-0"	1 3/4"	ALUM/ INSUL GLASS	ALUM	I	-	*	-	PROVIDE THRESHOLD WEATHERSTRIPPING, CLOSER, & INSUL GLASS	
B	3'-0" x 7'-0"	1 3/4"	INSUL METAL	HOLLOW METAL	II	-	*	-	PROVIDE THRESHOLD WEATHERSTRIPPING, & CLOSER	
C	12'-0" x 14'-0"	1 3/4"	INSUL METAL	STEEL	III	-	-	-	MOTOR OPERATED, HIGH LIFT, LOW E GLASS, 3" TRACK, 5K CYCLE SPRING	
D	10'-0" x 12'-0"	1 3/4"	INSUL METAL	STEEL	III	-	-	-	MOTOR OPERATED, HIGH LIFT, LOW E GLASS, 3" TRACK, 5K CYCLE SPRING	
E	3'-0" x 6'-8"	1 3/4"	SOLID WOOD	WOOD	II	-	F-86	-		
F	3'-0" x 6'-8"	1 3/4"	SOLID WOOD	WOOD	II	-	F-82	-		
G	3'-0" x 6'-8"	1 3/4"	SOLID WOOD	WOOD	II	-	-	-	PROVIDE PUSH, PULL & CLOSER	

- DOOR NOTES:
- * DOOR TO BE READILY OPENABLE FROM EGRESS SIDE W/O KEY OR SPECIAL KNOWLEDGE
 - DOOR HANDLE TO CONFORM TO ALL ACCESS CODE & FEDERAL ADA REG'S - PROVIDE LEVER HANDLES ALL DOOR MTG HT= 48" AFF
 - NO KEYED HARDWARE ALLOWED ON MEANS OF EGRESS SIDES OF EXIT DOORS
 - ALUM DOOR & FRAME TO HAVE ANODIZED FINISH - BRONZE OR CLEAR
 - EXTERIOR DOORS TO HAVE LOCKING PIN TYPE HINGES
 - HINGES - BALL BEARING TYPE - 1 1/2" PAIR EA JAMB
 - ALL H.M. JAMBS STD WIDTH, 16GA FRAME PAINTED W/ 3 STRAP ANCHORS EA JAMB - PROVIDE 4" HEADS AT MASONRY WALLS, FILL JAMBS SOLID
 - LOCKSET NUMBERS SHOWN ARE GRADE NO. 2
 - PROVIDE "KNOX BOX" AS DIRECTED BY LOCAL FIRE AUTHORITY
 - ALL DOOR THRESHOLDS SHALL NOT EXCEED 1/2" IN HT W/ 1:2 BEVEL
 - MAX DOOR OPENING FORCE = 5 FT LB FOR LATCH RELEASE
 - ALL DOORS W/ CLOSERS TO HAVE 3 SEC SWEEP PERIOD FROM DOOR OPEN 90° TO 12°
 - DOOR HARDWARE MUST BE OPERABLE BY A SINGLE HAND W/O MEANS OF TIGHT GRASPING, TIGHT PINCHING, OR TWISTING OF WRIST
 - THUMBTURN ARE PROHIBITED. LEVER OR PADDLE HANDLE DEADBOLT RELEASES ARE ACCEPTABLE
 - PROVIDE A TACTILE "EXIT SIGN" ADJACENT TO EACH EXIT DISCHARGE DOOR.
 - EXTERIOR SWING DOORS 0.37 U-FACTOR MAX
 - EXTERIOR GARAGE DOORS 0.31 U-FACTOR MAX

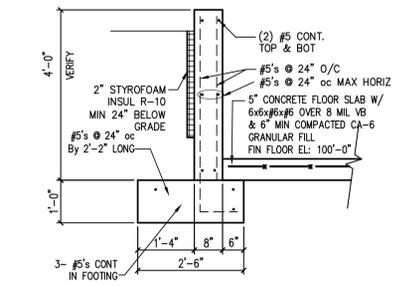


FLOOR PLAN

3/32"=1'-0" N



SECTION 1 SCALE: 1/2"=1'-0"



SECTION 2 SCALE: 1/2"=1'-0"

m.j.root

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3S140 TALBOT AVE WARRENVILLE, ILLINOIS

m.j.root · architect

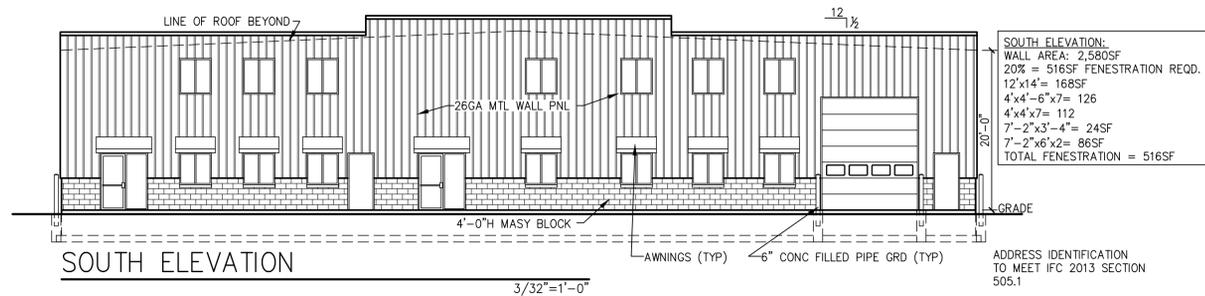
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date 4/23/2025

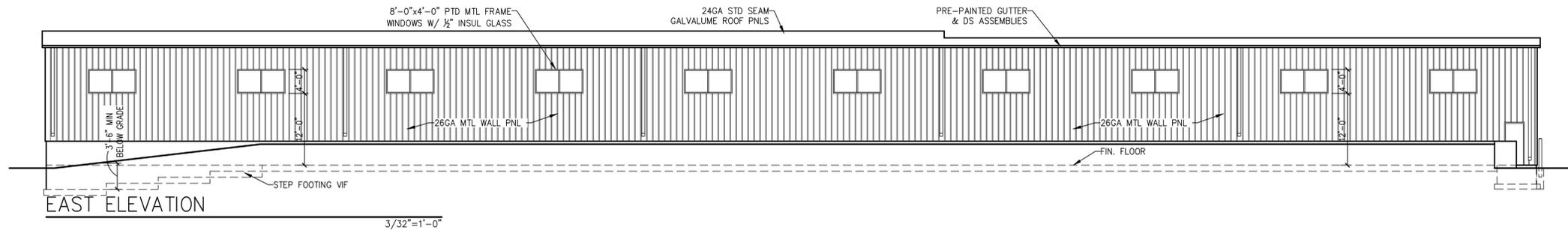
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drawing **A2**

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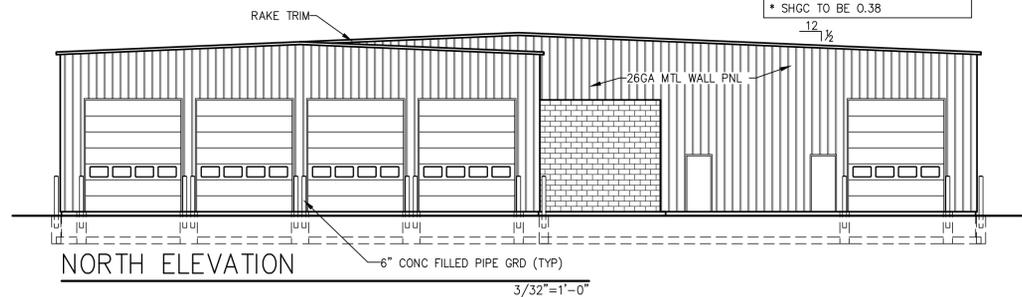


SOUTH ELEVATION

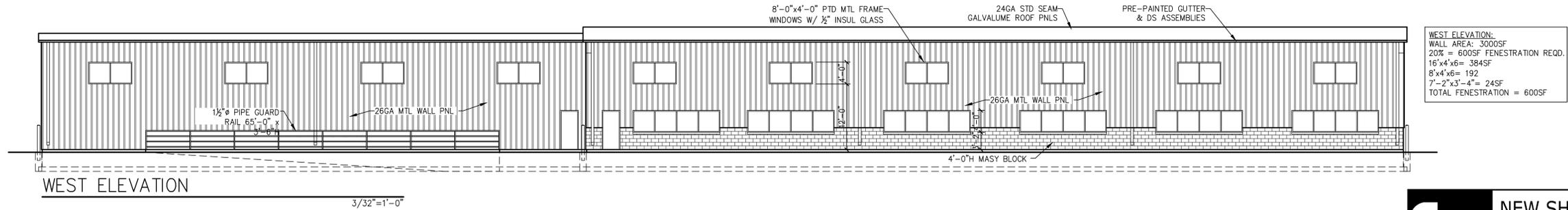


EAST ELEVATION

NOTE:
 * ALL EXTERIOR WINDOWS TO BE MAX. 0.32 U-VALUE
 * ALL EXTERIOR SWNG DOORS TO BE MAX. 0.37 U-VALUE
 * ALL EXTERIOR OVERHEAD DOORS TO BE MAX. 0.31 U-VALUE
 * SHGC TO BE 0.38

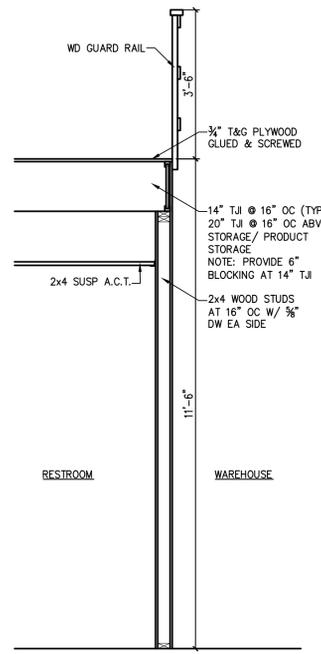


NORTH ELEVATION

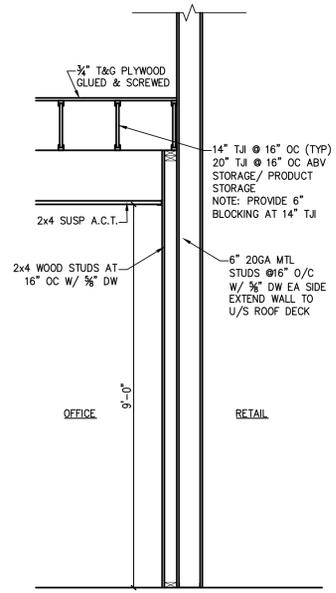


WEST ELEVATION

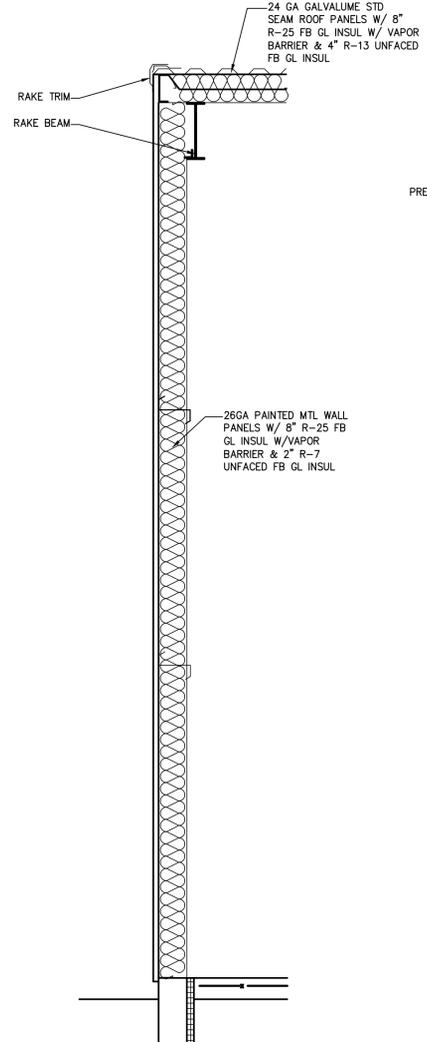
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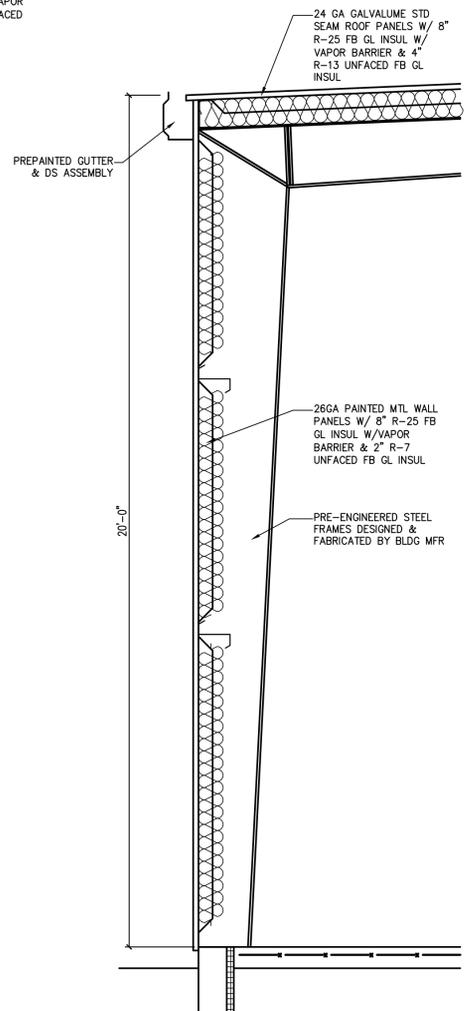
1 WALL SECTION
SCALE: 1/2"=1'-0"



2 WALL SECTION
SCALE: 1/2"=1'-0"



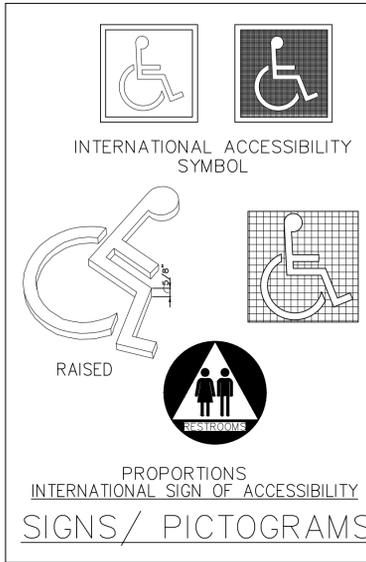
3 WALL SECTION
SCALE: 1/2"=1'-0"



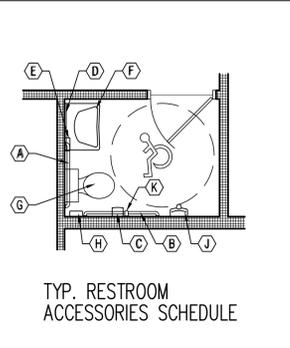
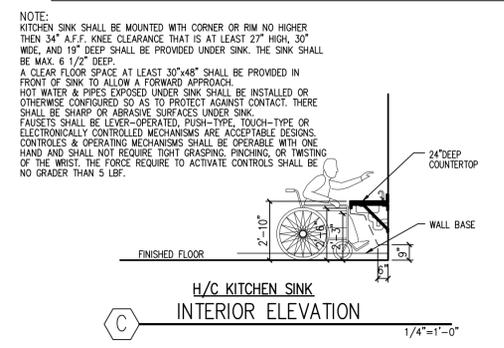
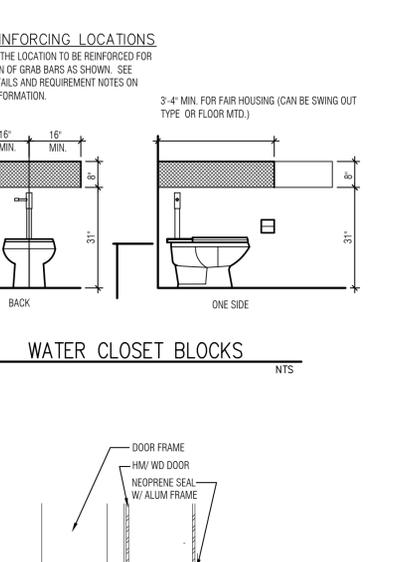
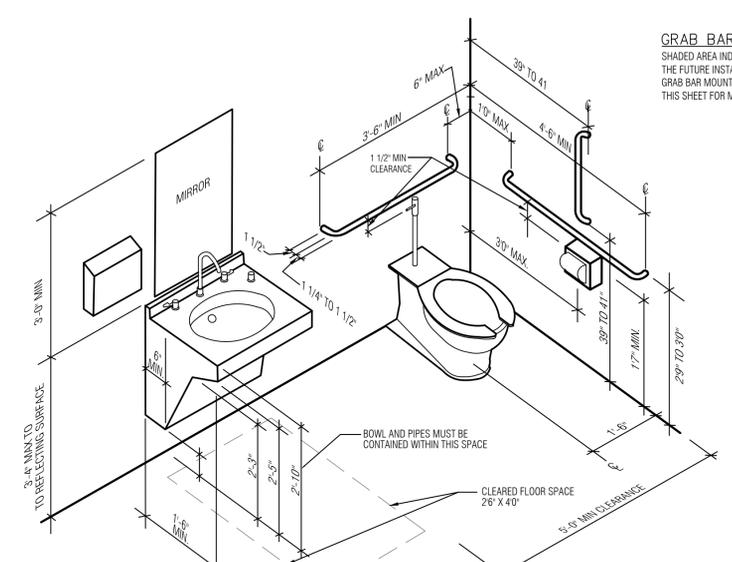
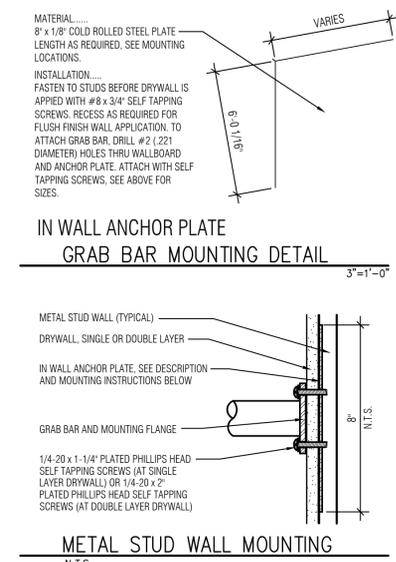
4 WALL SECTION
SCALE: 1/2"=1'-0"

- NOTES:**
- COMPLY W/ ALL LOCAL CODES & ORDINANCES (IBC 2015)
 - VISIT SITE - EXAMINE & VERIFY ALL EXISTING CONDITIONS (VERIFY ANY EXISTING DIMENSIONS IF REQ'D - REPORT ANY DISCREPANCIES)
 - LOADING - ROOF LL = 20 PSF, GROUND SNOW = 25 PSF, WIND LOAD = 115MPH COLLATERAL LOAD = 3PSF.
 - PRE ENGINEERED STEEL BUILDING DESIGNED & FABRICATED BY BLDG MFR.
 - BUILDING MFR TO FURNISH SHOP DWGS & CALCULATIONS AS REQ'D FOR PERMIT
 - STRIP & REMOVE ALL TOPSOIL & VEGETATION FROM CONSTRUCTION AREA, AFTER STRIPPING TOPSOIL, FROOFROLL ENTIRE AREA, ANY SOFT AREAS TO BE REMOVED & REPLACED W/ APPROVED FILL
 - SOIL BEARING PRESSURE ASSUMED AT 3000 PSF ALLOWABLE NOTIFY ARCHITECT IF THIS CAPACITY CANNOT BE OBTAINED AT DEPTHS SHOWN
 - ALL FOOTINGS TO REST ON UNDISTURBED VIRGIN SOIL AT OR BELOW DEPTHS SHOWN - U.N.
 - BACKFILL ALL INTERIOR EXCAVATIONS & EXTERIOR EXCAVATIONS AT PAVEMENT W/ GRANULAR MATERIALS - ALL OTHERS W/ EXCAVATED MATERIALS
 - CONCRETE DESIGN STRENGTH = 3000 PSI AT 28 DAYS - ALL EXTR CONCRETE - CURBS, ALLS, APRONS, ETC TO BE 3500 PSI & AIR ENTRAINED - COLD & HOT WEATHER PROCEDURES AS PER SECT 1905.12 & 1905.13 IBC. DO NOT POUR ANY CONCRETE IN WATER OR DISTURBED MATERIALS
 - STEEL REINF ASTM 615, GRADE 60
 - CONCRETE, MASONRY & STRUCTURAL STEEL TO MEET MIN REQMTS OF ACI 318, 318.1, 530 & 530.1 AS WELL AS ATSC MANUAL OF PRACTICE - LATEST ADDITION
 - ALL COLD FORMED STRUCTURAL STEEL MEMBERS IN ACCORDANCE W/ AISI SPEC'S
 - TOP OF FOUNDATION WALL & PIERS TO BE LEVEL & HAVE A SMOOTH FLOAT FINISH
 - SET ALL ANCHOR BOLTS W/ THE USE OF A TEMPLATE - BLDG MFR TO FURNISH LAYOUT
 - VERIFY ALL PIER SIZES SHOWN W/ BLDG MFRS BASE PLATE DRAWINGS
 - FLOOR SLAB TO HAVE A STEEL TROWEL FINISH = PROTECT W/ A CORE-SEAL COMPOUND
 - ALL FLOOR SURFACES W/ IN MEANS OF EGRESS LINES TO BE SLIP RESISTANT
 - READY MIX CONCRETE TO MEET STD SPEC'S FOR CONCRETE ASTM C-94
 - ROOF COVERING CLASS 'C' IN ACCORDANCE W/ ASTM E-108, ROOF PANELS IN ACCORDANCE W/ SECT 1505 IBC & INSTALLED AS PER SECT 1507 IBC
 - ALL BUILDING INSULATION USED SHALL HAVE A FLAME SPREAD RATING OF < 25 & SMOKE DEVELOPED < 50 MEET MIN REQMTS OF ASTM E-84
 - DO NOT SCALE DRAWINGS - USE FIGURED DIMENSIONS ONLY
 - ANY GYPSUM BOARD MTL'S TO COMPLY W/ STANDARDS IN IBC TABLE 2506.2
 - ANY LUMBER TO HAVE GRADE IDENTIFIED ON LABEL OF AN APPROVED LUMBER OR APPROVED INSPECTION AGENCY, NAILING & FASTENING AS PER TABLE 2304.9 - IBC
 - FIRE EXTINGUISHERS TO BE PROVIDED - AS PER LOCAL CODE AUTHORITY - DO NOT PROJ. MORE THAN 4"
 - SPECIAL INSPECTIONS MAY BE REQ'D - IF REQ'D - PROVIDE STATEMENT W/ LIST OF MATERIALS & IDENTIFICATION OF WORK TO BE INSPECTED - SEE T-1
 - CAULK AROUND ALL EXTERIOR OPENINGS W/ A HIGH QUALITY SEALANT
 - ALL FLOOR, WALL & INTERIOR FINISHES TO COMPLY W/ FLAME SPREAD RATINGS. SAMPLES & IDENTIFICATION TO BE FURNISHED BY BUILDER
 - AN AUTOMATIC FIRE DETECTION SYSTEM SHALL BE INSTALLED & MAINTAINED
 - A FIRE SUPPRESSION SYSTEM IS REQUIRED

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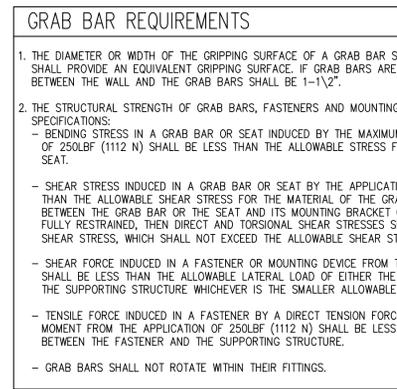
- LETTERS AND NUMBERS:**
- LETTERS AND NUMBERS ON SIGNS SHALL BE RAISED 1/32" MINIMUM AND SHALL BE SANS-SERIF UPPERCASE CHARACTERS ACCOMPANIED BY GRADE 2 BRAILLE. (SEC. 1117B.5.6.1)
 - RAISED CHARACTERS OR SYMBOLS SHALL BE A MINIMUM OF 5/8" HIGH, BUT NOT HIGHER THAN 2" HIGH. (SEC. 1117B.5.6.2)
 - PICTORIAL SYMBOL SIGNS (PICTOGRAMS) SHALL BE ACCOMPANIED BY THE EQUIVALENT VERBAL DESCRIPTION PLACED DIRECTLY BELOW THE PICTOGRAM. THE BORDER DIMENSION OF THE PICTOGRAM SHALL BE A MINIMUM OF 6" IN HEIGHT. (SEC. 1117B.5.6.3)
 - LETTERS AND NUMBERS ON SIGNS SHALL HAVE A WIDTH-TO-HEIGHT RATIO OF BETWEEN 3.5 AND 1:1 AND A STROKE WIDTH-TO-HEIGHT RATIO BETWEEN 1.5 AND 1:10. (SEC. 1117B.5.3)
 - CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND, EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND. (SEC. 1117B.5.5)
 - CHARACTERS AND NUMBERS ON SIGNS SHALL BE SIZED ACCORDING TO THE VIEWING DISTANCE FROM WHICH THEY ARE TO BE READ. THE MINIMUM HEIGHT IS MEASURED USING AN UPPER CASE X. LOWER CASE CHARACTERS ARE PERMITTED. FOR SIGNS SUSPENDED OR PROJECTED ABOVE THE FINISH FLOOR IN COMPLIANCE WITH SECTION 1121B, THE MINIMUM CHARACTER HEIGHT SHALL BE 3". (SEC. 1117B.5.4)
 - CONTRACTED GRADE 2 BRAILLE SHALL BE USED WHEREVER BRAILLE SYMBOLS ARE SPECIFICALLY REQUIRED IN OTHER PORTIONS OF THESE REGULATIONS. DOTS SHALL BE 1/10" ON CENTERS IN EACH CELL WITH 2/10" SPACE BETWEEN CELLS. DOTS SHALL BE RAISED A MINIMUM OF 1/40" ABOVE THE BACKGROUND. (SEC. 1117B.5.2)
 - ALL BUILDING ENTRANCES THAT ARE ACCESSIBLE TO AND USABLE BY PERSONS WITH DISABILITIES AND AT EVERY MAJOR JUNCTION ALONG OR LEADING TO AN ACCESSIBLE ROUTE OF TRAVEL SHALL BE IDENTIFIED WITH A SIGN DISPLAYING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY AND WITH ADDITIONAL DIRECTIONAL SIGNS, AS REQUIRED, TO BE VISIBLE TO PERSONS ALONG APPROACHING PEDESTRIAN WAYS. (SEC. 1117B.5.7 & 1127B.3)



ITEM	DESCRIPTION
(A)	36" GRAB BAR (CONCEALED MOUNTING) UNLESS NOTED
(B)	42" GRAB BAR (CONCEALED MOUNTING)
(C)	TOILET TISSUE DISPENSER - STAINLESS STEEL SURFACE MOUNTED DOUBLE ROLL
(D)	WALL MOUNTED MIRROR W/STAINED WOOD FRAME(S-1) BY OWNER'S VENDOR
(E)	SOAP DISPENSER - SURFACE OR WALL MOUNTED SEE PLAN
(F)	LAVATORY - WALL MOUNTED WHITE AMERICAN STANDARD 9140.021 ADA COMPLIANT W/ INSULATED WATER LINES BELOW LAV. OR APPROVED EQUAL. PROVIDE BLADE HANDLED FAUCETS
(G)	HANDICAP WATER CLOSET FLOOR MOUNTED W/ WATER CLOSET SENSOR OPERATED FLUSHMETER, SLOAN 8110/8111 COLOR WHITE, ELONGATED TOILET BY AMERICAN STANDARD OR APPROVED EQUAL SEE PLUMBING DRAWING P-6
(H)	SANITARY NAPKIN RECEPTACLE
(J)	PAPER TOWEL DISPENSER - WALL MOUNTED SEE PLAN
(K)	18" VERTICAL GRAB BAR (CONCEALED MOUNTING)
ALL RESTROOM ACCESSORIES, TOILET DISPENSER, PAPER TOWEL DISPENSER & SOAP DISPENSER, AND SANITARY NAPKIN RECEPTACLE, TYP. FURNISHED BY OWNER'S VENDOR AND INSTALLED BY CONTRACTOR	

- PLUMBING NOTES:**
- ALL TOILET AND LUNCH ROOM EQUIP TO BE INSTALLED IN ACCORDANCE WITH ILLINOIS ACCESSIBILITY CODE, A.D.A. REQUIREMENTS.
 - PLUMBING CONTRACTOR TO PROVIDE FIXTURE CUT SHEETS TO GENERAL CONTRACTOR FOR REVIEW AND APPROVAL. OWNER TO APPROVE ALL FIXTURE TYPES AND COLORS.
 - PROVIDE SIGNAGE INDICATING ACCESSIBILITY IN ACCORDANCE W/ ANSI SECTION 4.285
 - ALL FAUCETS TO BE IN COMPLIANCE WITH ANSI 4.195 (LEVER, PUSH BUTTON, OR EQUAL OPERATION), ILLINOIS ACCESSIBILITY CODE, FAUCETS AND FIXTURE FITTINGS THAT SUPPLY DRINKING WATER FOR HUMAN INGESTION SHALL CONFORM TO THE REQUIREMENTS OF ANS/NSF, ARTICLE 18-29-9
 - PROVIDE SOLID BLOCKING IN WALL FOR SUPPORT OF FIXTURES, COUNTERTOPS, PARTITIONS, AND ACCESSORIES
 - THE CONTRACTOR IS RESPONSIBLE TO FULLY COORDINATE THEIR WORK WITH ALL OTHER CONTRACTORS PRIOR TO FABRICATION AND INSTALLATION, TO MEET ALL DESIGN CRITERIA OF THE PROJECT.
 - INSULATE ALL EXPOSED HOT WATER SUPPLY PIPES AND DRAIN PIPES.
 - FOR GENERAL PLUMBING NOTES SEE PLUMBING DRAWINGS.
 - CARPENTRY CONTRACTOR TO PROVIDE BLOCKING AS REQUIRED FOR SECURE INSTALLATION OF TOILET ROOM FIXTURES AND ACCESSORIES.
 - SCRIBE ALL CABINETS TO WALL.

GENERAL WATER RISER DIAGRAM



- NOTE:**
- IF THERE ARE MORE THAN FIVE EMPLOYEES AT ONE TIME, ADDITIONAL PLUMBING FIXTURES WILL BE REQUIRED. (ILLINOIS PLUMBING CODE SECTION 890.810).
 - VACUUM RELIEF VALVE REQUIRED ON WATER HEATER. (ILLINOIS PLUMBING CODE SECTION 890.1230).
 - EXPANSION TANK REQUIRED ON WATER HEATER. (ILLINOIS PLUMBING CODE SECTION 890.1130).
 - TEMPERED HOT WATER NOT TO EXCEED 110 DEGREES TO BE SUPPLIED TO ALL PUBLIC LAVATORIES.
 - STACK TEST REQUIRED ON ALL PVC PIPING.
 - 75 LB AIR TEST OR WATER PRESSURE REQUIRED ON WATER PIPING AT TIME OF ROUGH INSPECTION.
 - ALL EXISTING PLUMBING THAT MAY POSE A HEALTH OR SAFETY HAZARD MUST BE REVISED TO MEET ILLINOIS PLUMBING CODE AND DUPAGE COUNTY ORDINANCES.
 - ALL NEW PLUMBING MUST MEET ILLINOIS PLUMBING CODE AND DUPAGE COUNTY ORDINANCES.
 - R.P.Z. REQUIRED ON DOMESTIC WATER.
 - ISOLATION VALVES REQUIRED ON WATER PIPE IN ACCORDANCE WITH THE ILLINOIS PLUMBING CODE SECTION 890.1190.
 - ALL LAVATORY FAUCETS FOR PUBLIC USE SHALL BE PROVIDED WITH AN AUTOMATIC SAFETY WATER-MIXING DEVICE AND SHALL COMPLY WITH ANSI/ASSE 1016-1996 OR 1017-1998.

- GRAB BAR REQUIREMENTS**
- THE DIAMETER OR WIDTH OF THE GRIPPING SURFACE OF A GRAB BAR SHALL BE 1-1/4" TO 1-1/2", OR THE SHAPE SHALL PROVIDE AN EQUIVALENT GRIPPING SURFACE. IF GRAB BARS ARE ADJACENT TO A WALL, THE SPACE BETWEEN THE WALL AND THE GRAB BARS SHALL BE 1-1/2".
 - THE STRUCTURAL STRENGTH OF GRAB BARS, FASTENERS AND MOUNTING DEVICES SHALL MEET THE FOLLOWING SPECIFICATIONS:
 - BENDING STRESS IN A GRAB BAR OR SEAT INDUCED BY THE MAXIMUM BENDING MOMENT FROM THE APPLICATION OF 250LBF (1112 N) SHALL BE LESS THAN THE ALLOWABLE STRESS FOR THE MATERIAL OF THE GRAB BAR OR SEAT.
 - SHEAR STRESS INDUCED IN A GRAB BAR OR SEAT BY THE APPLICATION OF 250LBF (1112 N) SHALL BE LESS THAN THE ALLOWABLE SHEAR STRESS FOR THE MATERIAL OF THE GRAB BAR OR SEAT. IF THE CONNECTION BETWEEN THE GRAB BAR OR THE SEAT AND ITS MOUNTING BRACKET OR OTHER SUPPORT IS CONSIDERED TO BE FULLY RESTRAINED, THEN DIRECT AND TORSIONAL SHEAR STRESSES SHALL BE TOALED FOR THE COMBINED SHEAR STRESS, WHICH SHALL NOT EXCEED THE ALLOWABLE SHEAR STRESS.
 - SHEAR FORCE INDUCED IN A FASTENER OR MOUNTING DEVICE FROM THE APPLICATION OF 250 LBF (1112 N) SHALL BE LESS THAN THE ALLOWABLE LATERAL LOAD OF EITHER THE FASTENER OR MOUNTING DEVICE OR THE SUPPORTING STRUCTURE WHICHEVER IS THE SMALLER ALLOWABLE LOAD.
 - TENSION FORCE INDUCED IN A FASTENER BY A DIRECT TENSION FORCE OF 250LBF (1112 N) PLUS THE MAXIMUM MOMENT FROM THE APPLICATION OF 250LBF (1112 N) SHALL BE LESS THAN THE ALLOWABLE WITHDRAWAL LOAD BETWEEN THE FASTENER AND THE SUPPORTING STRUCTURE.
 - GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS.
 - A GRAB BAR AND ANY WALL OR OTHER SUPPORTING SURFACE ADJACENT TO IT SHALL BE FREE OF ANY SHARP OR ABRASIVE ELEMENTS. EDGES SHALL HAVE A MINIMUM RADIUS OF 1/2"

- HANDICAPPED REQUIREMENTS**
- EMERGENCY ALARMS:**
- ALARMS**
 - GENERAL: WHERE EMERGENCY WARNING SYSTEMS OR ALARMS ARE PROVIDED OR REQUIRED BY AN APPLICABLE STATE OR LOCAL BUILDING CODE, LIFE SAFETY CODE OR FIRE PROTECTION REGULATION, SUCH SYSTEM SHALL COMPLY WITH THE REQUIREMENTS BELOW AND SHALL BE BOTH AUDIBLE AND VISUAL ALARMS SHALL BE ARRANGED SO THE FLASHING LIGHT CAN BE SEEN AT THE REQUIRED LEVEL OF INTENSITY FROM ALL COMMON USE AREA. AT A MINIMUM, VISUAL SIGNAL APPLIANCES SHALL BE PROVIDED IN BUILDINGS AND FACILITIES IN EACH OF THE FOLLOWING AREAS: RESTROOMS AND ANY OTHER GENERAL USAGE AREAS (E.G., MEETING ROOMS), HALLWAYS, LOBBIES, AND ANY OTHER AREA FOR COMMON USE. (ADAAG 4.28.1)
 - AUDIBLE ALARMS: IF PROVIDED, AUDIBLE EMERGENCY ALARMS SHALL PRODUCE A SOUND THAT EXCEEDS THE PREVAILING EQUIVALENT SOUND LEVELING THE ROOM OR SPACE BY AT LEAST 15 DBA, OR EXCEEDS MAXIMUM SOUND LEVEL WITH A DURATION OF 60 SECONDS BY 5 DBA, WHICHEVER IS LOUDER. SOUND LEVELS FOR ALARM SIGNALS SHALL NOT EXCEED 120 DBA. (ADAAG 4.28.2)
 - VISUAL ALARMS SIGNAL APPLIANCES SHALL BE INTEGRATED INTO THE BUILDING OR FACILITY ALARM SYSTEM. IF SINGLE STATION AUDIBLE ALARMS ARE PROVIDED, THEN SINGLE STATION VISUAL ALARM SIGNALS SHALL BE PROVIDED. VISUAL ALARM SIGNALS SHALL COMPLY WITH THE REQUIREMENTS OF U.S. ARCHITECTURAL AND TRANSPORTATION BARRIERS COMPLIANCE BOARD BULLETIN #2 VISUAL ALARMS.
 - AUXILIARY ALARMS: UNITS AND SLEEPING ACCOMMODATIONS SHALL HAVE A VISUAL ALARM CONNECTED TO THE BUILDING EMERGENCY ALARM SYSTEM OR SHALL HAVE A STANDARD 110-VOLT ELECTRICAL RECEPTACLE INTO WHICH SUCH AN ALARM CAN BE CONNECTED AND A MEANS BY WHICH A SIGNAL FROM THE BUILDING EMERGENCY ALARM SYSTEM CAN TRIGGER SUCH AN AUXILIARY TRIGGER SUCH AN AUXILIARY ALARM. WHEN VISUAL ALARMS ARE IN PLACE, THE SIGNAL SHALL BE VISIBLE IN ALL AREAS OF THE UNIT OR ROOM. INSTRUCTIONS FOR USE OF THE AUXILIARY ALARM OR RECEPTACLE SHALL BE PROVIDED.

NEW SHOP AND OFFICE FOR SPEC BUILDING

3S140 TALBOT AVE WARRENVILLE, ILLINOIS

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date 4/23/2025

revised

drawing **A5**

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